Split Monntain Comon, Impurial County, Cel, Visited april 22-23 1929 and May 19 1929,

This comon is 21/2 or 3 miles long. The walls are high and the canon is crooked in places, The strata dip at various angles, anostly 20 to 35 degrees, principally south or southwesterly and are of various thicknesses, from very thin to several feet in thickness. At the foot of the cliffs in places a buff or yellowish soundstone is exposed. This is overlain by a coarse conglomerate of granite oid boulders, this being often a ton or more in weight, The boulders are angular with but little rounding of the corners and edges, and evidently had not been transported for, The comenting material is sund and it is not very difficult to detach a small block from the strata yet the walls are quite steep, perfundicular in places. I suppose the blocks came from the west, where granite mountains are not for distant, The strata exposed must total a thickness of 1500 or 2000 feel, The general direction of the camon is MEN, E, and S, S, H, I saw no gyproum west of the camon, but on the east side There are a mimber of beds of a few acres in extent to a hundred or more, These beds are on the surface and are inclined in various directions south, Some are on the summit of the range others well down the sides or even reaching the edge of the valley, line bed a mile or so east of the north and of the comore is being worked by a company that has built a 30 mile narrow gange railroad from Plaster Bity, The rock is blasted and loaded on the ears by a steam shovel direct from the grany,

Split Momentonin Camon passes entirely through the sample, to Carriso basin and drains a small part of the western edge of the basin as well as the south side of the range, At the head of the camon two large washes come from the west, On May 19 th we drove the ear 5 or 6 miles up the outer wash, which heads on the eartern end of Piñon Mometain several miles further applying this wash the bording, comparatively low, cliffs were sandstone dipping strongly south to southwest, about half a mile south of the head of split momentain banon are cliffs capped by a stratum of hard rock composed principally of small system shells and a chain of these little extrads east south east two or three miles, each with its fossil-tearing rock cap, These "bad-land" hills are similar to those bordering the eastern and south eastern

sides of the Carries basin,

We examined the hills boiding the wash we went up, We found fragments of fossilized wood in several places, but no shells, The wood fragments were weathered out of the edges of the sandstone strate, which were evase there, and dipped strongly

In a small gulch entining Split Mountain canon at its supper and on the east side are some impressions that have been supported as "dinasaur" tracks, or "growned sloth" tracks, The sandstown strata in the gulch have a considerable slope southwesterly, und strata in the gulch have a cour for perhaps a homehad yards up ing the impressions, thuse accur for perhaps a homehad yards up the gulch, above them his a pile of weathered out concretioned to gulch, above them his a pile of weathered out concretioned round or flattened; some the eige and shape of a conteen, Similar round or flattened; some the eige and shape surface of the sandstown concretions were scattered through the upper surface of the sandstown strata, and the running storm waters have smad moon down the surface exposing more or less of the concretions, In must cases the surface exposing more or less of the concretions, In must cases the surface appoint more arrival to the morn booky and wore away into rock were a little softer than the morn booky and wore away into more arrival always with the impression like a buge cat track, but nearly always with the impression like a buge cat track, but nearly always with the middle part higher than the grown around it, contrary to the middle part higher than the grown around it, contrary to the shape of a cats track, One could easily imagine the circles were tracks of some longe provisitoric animal if he did not

